

SEQUENCE LISTING

<110> Takabe, Tetsuko

<120> Peroxisomal Ascorbate Peroxidase Gene Induced by High Temperature Stress and a Transgenic Plant Exhibiting Thermotolerance

<130> 026350-053

<140> 09/870,501

<141> 2001-06-01

<150> JP 2000-172850

<151> 2000-06-09

<160> 2

<170> PatentIn version 3.1

<210> 1

<211> 291

<212> PRT

<213> Hordeum vulgare L. Haruna-nijyo

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35 40 45

Thr Arg Thr Gly Gly Ala Asn Gly Ser Ile Arg Tyr Glu Glu Glu Tyr
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Thr His Gly Ser Asn Ala Gly Leu Lys Ile Ala Ile Asp Leu Leu Glu
65 70 75 80

Pro Ile Lys Ala Lys His Pro Lys Ile Thr Tyr Ala Asp Leu His Gln
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Leu Ala Gly Val Val Ala Val Glu Val Thr Gly Gly Pro Thr Val Glu
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Phe Ile Pro Gly Arg Arg Asp Ser Ser Val Cys Pro Arg Glu Gly Arg

115 120 125
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 Arg Met Gly Leu Thr Asp Lys Asp Ile Val Ala Leu Ser Gly Gly His
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 Ser Leu Gly Lys Ala His Pro Glu Arg Ser Gly Phe Asp Gly Ala Trp
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 Thr Arg Asp Pro Leu Lys Phe Asp Asn Ser Tyr Phe Leu Glu Leu Leu
 180 185 190
 Lys Gly Glu Ser Glu Gly Leu Leu Lys Leu Pro Thr Asp Lys Ala Leu
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 Leu Asp Asp Pro Glu Phe Arg Arg Tyr Val Glu Leu Tyr Ala Lys Asp
 210 215 220
 Glu Asp Val Phe Phe Lys Asp Tyr Ala Glu Ser His Lys Lys Leu Ser
 225 230 235 240
 Glu Leu Gly Phe Thr Pro Arg Ser Ser Gly Pro Ala Ser Thr Lys Ser
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 Arg Ser Lys
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 <213> Hordeum vulgare L. Haruna-nijyo

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